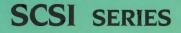
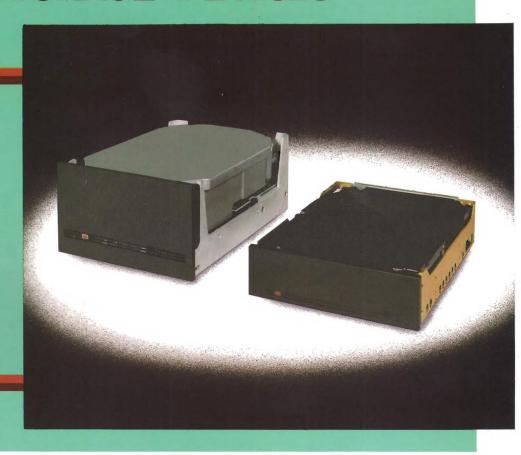
INTERNAL STORAGE DEVICES





HARD DISK SUBSYSTEMS.

The SCSI Series of storage subsystems provide an easy— economical approach to expanding capacity of the 1000 series computers. Every drive is tested on the computer system that is being upgraded in the field. The drives selected are of the highest available quality and are equal to or superior to the OEM drive in performance.

ALTOS* COMPATIBLE STORAGE SUBSYSTEMS.

Designed around a high quality hard disk drive, the subsystem features include:

- Capacities available —
 40, 90, 150, 380 & 660 megabytes.
- Drive is tested and formatted prior to shipping.
- One year "Instant Replacement" warranty (see warranty section).

Should any drive fail during the twelve months from the date shipped, Computer Support will, upon determining that it was our drive that failed, ship a replacement unit via the fastest available shipment method. Customer is responsible for promptly (within three working days) shipping the defective unit back to Computer Support.

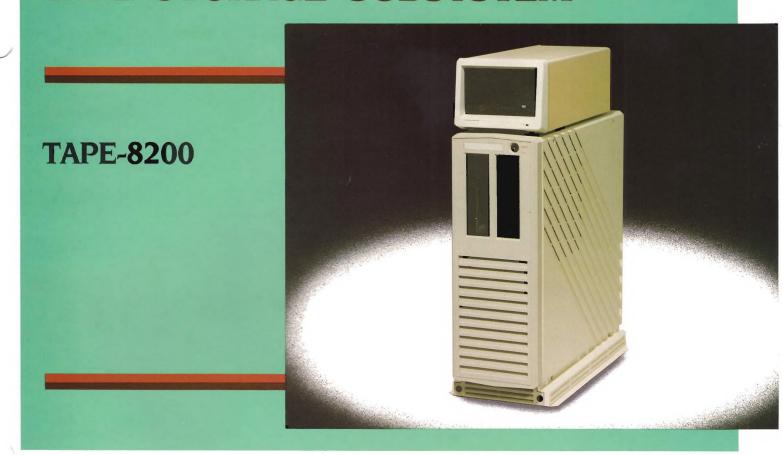
WARRANTY TERMS

These units are under warranty by Computer Support of Sioux City, Ltd., and other quality vendors. Products are sold as being functionally equivalent to the OEM units.

*Altos is a trademark of Altos Computer Systems.



TAPE STORAGE SUBSYSTEM



MAGNETIC TAPE SUBSYSTEM

The TAPE-8200 provides an efficient method of "backing up" data from the 1000 or 2000 series computer. File by file back-ups are fast enough that the unreliable archive method is no longer needed. Any currently supported amount of hard disk storage can be stored on a single media thus back-ups can be unattended.

- 2 gigabyte capacity.
- All required cables and software are included.
- Uses economical video tape cartridges.
- One year "Instant Replacement" warranty (see warranty section).
- Up to twice as fast as existing tape drives.

WARRANTY TERMS

Should any subsystem fail during the twelve months from the date shipped, Computer Support will, upon determining that it was a part of our subsystem that failed, ship a replacement unit via the fastest available shipment method. Customer is responsible for promptly (within three working days) shipping the defective unit back to Computer Support.

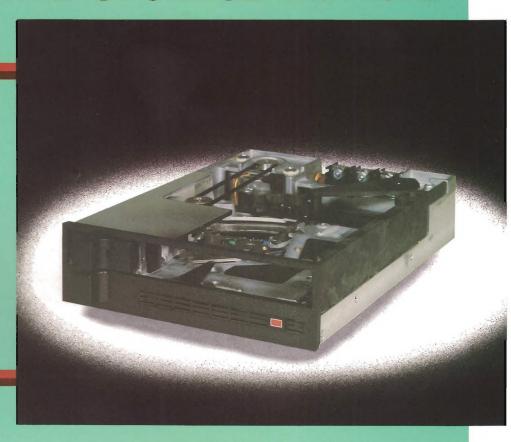
These units are manufactured and under warranty by Computer Support of Sioux City, Ltd., and other quality vendors. Products are sold as being functionally equivalent to the OEM units.



INTERNAL TAPE STORAGE DEVICES

TAPE SERIES

TAPE-60 TAPE-125 TAPE-150 TAPE-125 Kit



HARD DISK SUBSYSTEMS.

The TAPE Series of storage subsystems provide an easy — economical approach to expanding or replacing tape drives in Altos* computers. Every drive is tested on the computer system that is being upgraded in the field. The drives selected are of the highest available quality and are equal to or superior to the OEM drive in performance.

ALTOS* COMPATIBLE STORAGE SUBSYSTEMS.

Designed around a high quality tape drive, the subsystem features include:

- Capacities available —
 60, 125 & 150 megabytes.
- Models available for all *Altos computers.
- Drive is tested prior to shipping.
- Upgrade existing 60 mb drives to 125 mb or 150 mb.
- "Instant Replacement" warranty (see warranty section).

WARRANTY TERMS

Should any drive fail during the 90 days from the date shipped, Computer Support will, upon determining that it was our drive that failed, ship a replacement unit via the fastest available shipment method. Customer is responsible for promptly (within three working days) shipping the defective unit back to Computer Support.

These units are under warranty by Computer Support of Sioux City, Ltd., and other quality vendors. Products are sold as being functionally equivalent to the OEM units.

*Altos is a trademark of Altos Computer Systems.

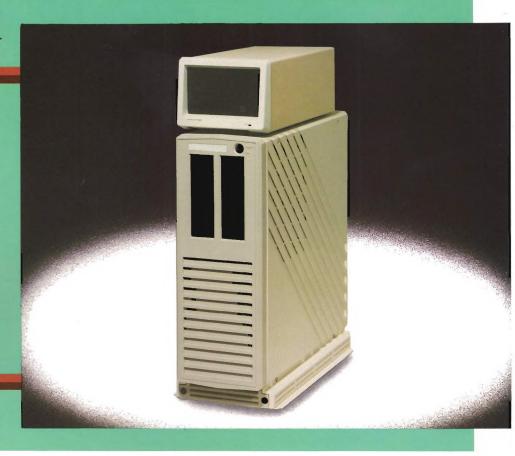


EXTERNAL HARD DISK STORAGE

SUBSYSTEM

EX SERIES

EX-150S EX-380S EX-660S



ALTOS* COMPATIBLE STORAGE SUBSYSTEMS.

Designed around a high quality hard disk drive, the subsystem features include:

- Capacities available —
 150, 380, & 660 megabytes.
- All required cables are included.
- High capacity power supply.

- External SCSI port for Series 1000 included.
- Drive is tested and formatted prior to shipping.
- One year "Instant Replacement" warranty (see warranty section).

WARRANTY TERMS

Should any subsystem fail during the twelve months from the date shipped, Computer Support will, upon determining that it was a part of our subsystem that failed, ship a replacement unit via the fastest available shipment method. Customer is responsible for promptly (within three working days) shipping the defective unit back to Computer Support.

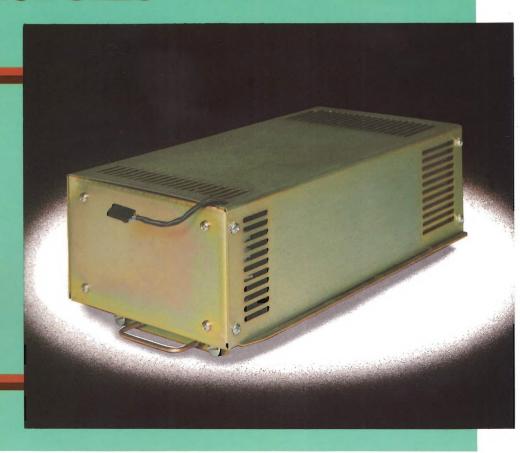
These units are manufactured and under warranty by Computer Support of Sioux City, Ltd., and other quality vendors. Products are sold as being functionally equivalent to the OEM units.

*Altos is a trademark of Altos Computer Systems.



STORAGE MODULES





INTERNAL STORAGE MODULES FOR ALTOS* FLOOR STANDING SYSTEMS.

Designed around a quality hard disk drive the IN Series of storage modules share the following features:

- Capacities available 170, 190 & 380 megabytes.
- **High speed access** (28 msec or less) on average access.
- Models available for all floor standing units.
- Electric fan cooling system.
- One year "Instant Replacement" warranty (see warranty section).
- Drives are tested and formatted prior to shipment.

WARRANTY TERMS

Should any storage module fail during the twelve months from the date shipped, Computer Support will, upon determining that it was a part of our storage module that failed, ship a replacement unit via the fastest available shipment method. Customer is responsible for promptly (within three working days) shipping the defective unit back to Computer Support.

These units are manufactured and under warranty by Computer Support of Sioux City, Ltd., and other quality vendors. Products are sold as being functionally equivalent to the OEM units.



IMPORTANT NOTES ABOUT COMPUTER SUPPORT

PRODUCT PROBLEMS

Even though we test every product that we assemble, something is going to arrive someday that doesn't meet the standard we try to achieve. When this happens our Customer Service representatives are able to offer every conceivable solution to resolve the problem. The following are general guidelines we follow when a problem arises:

DOA Merchandise

Products that fail within the first 30 days are considered to be 'dead on arrival' and will be handled accordingly. A Computer Support technician will verify that our product is at fault, and a new replacement will be shipped via air freight to replace the defective unit. The only exceptions to this policy are dealers that have past due open accounts or who have previously failed to return Computer Support merchandise in a prompt manner.

Warranty Repairs

Products that fail during the warranty period will be promptly replaced after verification by a Computer Support technician. A new or 'exchange' unit will be shipped via air freight to replace the defective unit. The warranty period will continue for the balance of the original products' time period. The only exceptions to this policy are dealers with past due open accounts or those who have previously failed to return Computer Support merchandise. Dealers on our restricted ship list are required to return the product to Computer Support for repair or replacement.

Out-of-Warranty Repairs

Products that fail after the warranty period can be either exchanged at a fixed price or returned to Computer Support for repair. Items returned for repair will be given a high priority and can typically be repaired the same day received.

RETURN PROCEDURES

- 1. No merchandise should be returned to Computer Support without a Return Material Authorization number (RMA). This authorization will be issued by a customer service representative after verifying the problem.
- 2. The following information is required to receive an RMA.

A. Company Name

D. Serial Number

B. Invoice/Packing List Date

E. Description of Problem

- C. Model Number
- 3. Please pack all merchandise in the original carton with the original packing material. If the item must be returned without the original carton and packing, please include letter on your letterhead absolving Computer Support of any liability from shipping damage due to the improper packaging. No repair will be processed without this waiver.
- 4. Write the RMA number on the shipping label, NOT ON THE BOX. No return will be accepted from the freight company without this number.
- 5. All returns must be shipped freight prepaid.
- 6. Return Authorizations are retained in the computer system for 30 days; please use them promptly.

ABOUT PURCHASING FROM US

Computer Support sells only to computer resellers. We have occasionally found an end user pretending to be a reseller, but we generally have eliminated these phonies. Our advertising does not reach end-users, and we are comfortable that you can sell our products in a profitable manner.

Credit Policy

We ship on an open account basis to very few dealers. We consider our normal terms to be C.O.D. company check. This approach is a compromise between the expensive open account programs and the inflexible Certified Check approach. The costs of checking credit in terms of staff time and actual costs combined with the administrative follow-up needed simply are undesirable to us. We subscribe to Dunn & Bradstreet and extend credit to 'A' rated accounts only. Company checks will be accepted from dealers with no previous incidents of insufficient funds checks.

Shipping

All products are shipped U.P.S. second day air (blue label) unless other arrangements are made with your Customer Service representative.

SPECIAL NOTE: *Altos is a trademark of Altos Computer Systems.

SALES TIPS - SERIES 2000

Hard Disk Drives

The Series 2000 currently supports both 170 and 380 megabyte hard disk drives. These can be installed in any mix of sizes allowing an unformatted capacity of 1.14 gigabytes.

Computer Support currently supplies compatible models of both sizes with the IN-170 and IN-380 models. These units are amazingly similar to the models available from your Altos distributor. Both units are available with an internal cooling fan and utilize the same brand of hard disk drive as the comparable Altos units.

Since Computer Support provides a full one year warranty, an additional savings can be accrued to the end-user should a failure occur.

Memory Upgrades

While the 2000 supports up to 16 megabytes of memory, the number of available card slots can be a limitation. The memory boards must be MEM II variety (identifiable by the SIM chips). Different size memory boards may be intermixed, but there is a specific pattern that they must follow to work correctly. This pattern is defined in the appropriate manual for the system being configured.

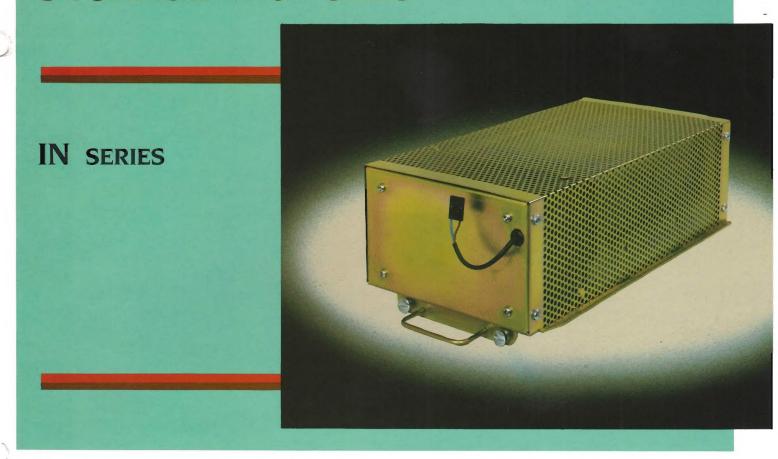
Tape Backup Systems

The 16 Mhz Series 2000 was shipped with a 60 Mb tape drive, and the newer 20 Mhz model was equipped with the 150 Mb tape drive. It is possible to upgrade the 16 Mhz model to 150 Mb drive with the TAPE-150 kit from Computer Support. The upgrade requires that the system has a version '002' file processor board (SCSI port on the board) and Altos System V operating system.

High capacity tape backup is available with the TAPE-8200 tape system. This system is based on the Exabyte tape drive and uses inexpensive 8mm video tape cartridges. The system is based on the SCSI interface, so a version '002' file processor and an Altos System V are required. If the Series 2000 has an SCSI tape drive (150 Mb), a special cable is provided for easy installation and use.

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STORAGE MODULES



INTERNAL STORAGE MODULES FOR ALTOS* FLOOR STANDING SYSTEMS.

Designed around a quality hard disk drive the IN Series of storage modules share the following features:

- Capacities available —
 50, 80, 170, 190 & 380 megabytes.
- High speed access (28 msec or less) on average access.
- Models available for all floor standing units.
- Optional electric fan cooling system.
- One year "Instant Replacement" warranty (see warranty section).
- Drives are tested and formatted prior to shipment.

WARRANTY TERMS

Should any storage module fail during the twelve months from the date shipped, Computer Support will, upon determining that it was a part of our storage module that failed, ship a replacement unit via the fastest available shipment method. Customer is responsible for promptly (within three working days) shipping the defective unit back to Computer Support.

These units are manufactured and under warranty by Computer Support of Sioux City, Ltd., and other quality vendors. Products are sold as being functionally equivalent to the OEM units.

*Altos is a trademark of Altos Computer Systems.



Hard Disk Drives

The Series 1000 has been sold with four drive sizes to date - 40 Mb, 90 Mb, 150 Mb, and 380 Mb. The forty Mb is only appropriate to use for a door stop (well, okay maybe as a paper weight), but the three other sizes are offered by Computer Support as the SCSI Series.

The SCSI-90 is a half height drive that can be used internally in combination with the 40 or 90 megabyte drives originally shipped with the system. The SCSI-150 is a full height drive that can be used as the only internal drive or with one of the external subsystems offered by Computer Support.

The SCSI-380 drive provides over 300 megabytes of usable storage in a full-height drive while the SCSI-660 more than doubles that figure. Both can be used as the only internal drive or with an external subsystem. No modifications to the operating system are required, but the initial installation is slightly changed.

Two external drive subsystems are offered by Computer Support for the Series 1000. The most popular is the Giga Box, a system that supports up to three hard disk drives (any of the sizes supported internally may be used) and has an open slot for a tape drive.

The second external subsystem is a single drive unit that will support either a hard disk drive or a tape drive when positioned on top of the Series 1000.

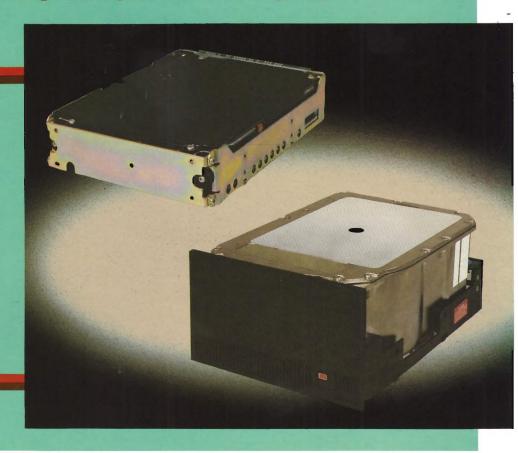
Tape Backup Systems

Three sizes of tape backup systems are offered by Computer Support. The stock drive shipped by Altos is a 150 megabyte unit that is functionally equivalent to the TAPE-150. Additionally you may choose a 60 megabyte drive that retains compatibility with other Altos equipment or a high capacity drive that can handle backup of large disk storage devices.

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INTERNAL STORAGE DEVICES





HARD DISK SUBSYSTEMS.

The INSID Series of storage subsystems provide an easy— economical approach to expanding capacity of the desk top series of computers. Every drive is tested on the computer system that is being upgraded in the field. The drives selected are of the highest available quality and are equal to or superior to the OEM drive in performance.

ALTOS* COMPATIBLE STORAGE SUBSYSTEMS.

Designed around a high quality hard disk drive, the subsystem features include:

- Capacities available —
 20, 40, 50, 80 & 190 megabytes.
- Models available for all *Altos computers.
- Drive is tested and formatted prior to shipping.
- One year "Instant Replacement" warranty (see warranty section).

WARRANTY TERMS

Should any drive fail during the twelve months from the date shipped, Computer Support will, upon determining that it was our drive that failed, ship a replacement unit via the fastest available shipment method. Customer is responsible for promptly (within three working days) shipping the defective unit back to Computer Support.

These units are under warranty by Computer Support of Sioux City, Ltd., and other quality vendors. Products are sold as being functionally equivalent to the OEM units.

*Altos is a trademark of Altos Computer Systems.



EXTERNAL STORAGE SUBSYSTEM



SCSI COMPATIBLE STORAGE SUBSYSTEMS.

Designed to accommodate up to three high quality hard disk drives, the subsystem features include:

- Drive capacities available— 90, 150, 298 megabytes.
- Optional tape drives in sizes up to two gigabytes.
- All required cables are included.
- Operates on O.E.M. operating system kernel.

- High capacity switching power supply.
- Drives are tested and formatted prior to shipping.
- One year "Instant Replacement" warranty (see warranty section).

Tested and supported on the *Altos 1000 Series and the **AT&T 6386 WGS Series. Other manufacturers will be added in the future.

WARRANTY TERMS

Should any subsystem fail during the twelve months from the date shipped. Computer Support will, upon determining that it was a part of our subsystem that failed, ship a replacement unit via the fastest available shipment method. Customer is responsible for promptly (within three working

days) shipping the defective unit back to Computer Support.

These units are manufactured and under warranty by Computer Support of Sioux City, Ltd., and other quality vendors.

* Altos is a trademark of Altos Computer Systems.

**AT&T is a trademark of AT&T.



Hard Disk Drives

The Series 500 is offered with three disk drive options. The first option is no drive at all (5200NT) and gives you several possibilities. The second option is a 40 Mb RLL drive, and the third option is a 70 Mb RLL drive. The forty is a half height drive while the 70 is a full height. Since the 500 has five height slots, a system with a floppy and a tape drive installed, the maximum space available for hard disk drives is three half heights.

On a stock system, using the RLL controller supplied by Altos, Computer Support offers two drive options. The first is a seventy megabyte drive (model 500-70) that will operate as the first or second drive on the controller. Since it is a half height, it can be used with the full height 70 shipped by Altos and stay within the physical limits of the system.

The second RLL option is a 130 megabyte drive that can be used in conjunction with a half height drive or as the only internal drive within the system. This model is the 500-100.

If your requirements call for a bigger - faster drive, the best selection is the 500-170. This is a kit that provides an ESDI drive and controller. The transfer rate is substantially faster than the stock drive and formatted capacity exceeds 140 megabytes.

Special Note: All hard disk drives are tested under Altos System V and require no operating system modifications. Some minor changes are required during the initial installation.

Tape Backup Systems

Computer Support offers two options for tape backup on the 500. The first is a 60 megabyte kit that includes drive and controller and functions the same as the Altos option. The model number for the kit is TAPE-60K. The second option is the TAPE-125 kit, a 125 megabyte drive that is perfect for higher capacity backup needs.

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SALES TIPS - 1086/2086/3068/3086

History of the Series

These models enjoy many similarities and share many common parts. The 1086 and 2086 are identical except for the number of COMM boards installed. The 3086 was a 2086 with ESDI drives (this sounds remarkably like the later 2086EP model, which it is). The 3068 is the same as the 2086 with the exception of the CPU board which uses a Motorola processor. The 3068 was also available in an EP version that utilizes ESDI drives.

Hard Disk Drives

The units that have an ST506 interface were available in three sizes: 50, 80 and 190 megabytes. The drives may be mixed, and there are no major caveats in this area. A number of the early 2086 units may require an upgrade to the file processor ROM's, but this isn't a major financial burden. Computer Support markets two compatible units, the IN-80 and the IN-190, which are functionally equivalent to the Altos models.

In the area of ESDI drives the available sizes were 80, 170, and 380 megabytes. Computer Support has the IN-80E, the IN-170WTF and the IN-380WTF. These units are functionally identical to the Altos models in similar size configurations.

Tape Backup Systems

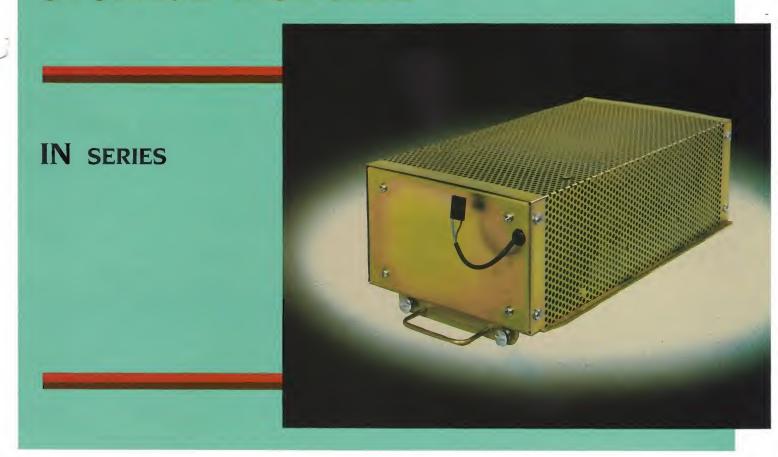
The systems were supplied with 60 megabyte tape drives that are the only currently available option.

RAM Upgrades

Memory boards were available in one, two, four and eight megabyte capacities. The boards can be intermixed providing the rules outlined in the owner's manual are followed. Maximum memory is sixteen megabytes.

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STORAGE MODULES



INTERNAL STORAGE MODULES FOR ALTOS* FLOOR STANDING SYSTEMS.

Designed around a quality hard disk drive the IN Series of storage modules share the following features:

- Capacities available —
 50, 80, 170, 190 & 380 megabytes.
- High speed access (28 msec or less) on average access.
- Models available for all floor standing units.
- · Optional electric fan cooling system.
- One year "Instant Replacement" warranty (see warranty section).
- Drives are tested and formatted prior to shipment.

WARRANTY TERMS

Should any storage module fail during the twelve months from the date shipped, Computer Support will, upon determining that it was a part of our storage module that failed, ship a replacement unit via the fastest available shipment method. Customer is responsible for promptly (within three working days) shipping the defective unit back to Computer Support.

These units are manufactured and under warranty by Computer Support of Sioux City, Ltd., and other quality vendors. Products are sold as being functionally equivalent to the OEM units.

*Altos is a trademark of Altos Computer Systems.



Hard Disk Drives

These models utilize the same hard disk controller and operating system, thus, hard disks are interchangeable between the two computerseries. Computer Support offers both an eighty megabyte (INSID-80) and a one hundred ninety megabyte (INSID-190) for these systems. The 190 was not marketed by Altos, but the system supports it without modification.

Externally, the eighty is available as the EX-80TT and the 190 is available as the EX-190TT. All required cables are included.

Tape Backup Systems

Many of the 686's were shipped without a tape drive within the system. Some of the systems can be upgraded to include a tape drive, but for most it isn't economically practical. If you have questions, call the technical support department for a full explanation.

Serial Port Expansion (686 Model)

The 686 cannot be expanded to the same number of ports as the 886. What you have is what you are going to have - period.

RAM Memory Expansion

This series has two available slots for expansion of memory. Each slot accepts a one megabyte board, giving a maximum capacity of three megabytes. Care should be exercised when working with the 686, as some were shipped with only 512K RAM on the CPU board. Under XENIX this does nothing but reduce the maximum to 2.5 megabytes, but under CDOS the CPU must be replaced with one with one megabyte.

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EXTERNAL HARD DISK STORAGE

SUBSYSTEM

EX SERIES



ALTOS* COMPATIBLE STORAGE SUBSYSTEMS.

Designed around a high quality hard disk drive, the subsystem features include:

- Capacities available —
 40, 50, 80 & 190 megabytes.
- All required cables are included.
- High capacity power supply rated at 300 watts.
- Models available for all tabletop computer models. (586, 686, 886)*
- Drive is tested and formatted prior to shipping.
- One year "Instant Replacement" warranty (see warranty section).

WARRANTY TERMS

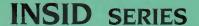
Should any subsystem fail during the twelve months from the date shipped, Computer Support will, upon determining that it was a part of our subsystem that failed, ship a replacement unit via the fastest available shipment method. Customer is responsible for promptly (within three working days) shipping the defective unit back to Computer Support.

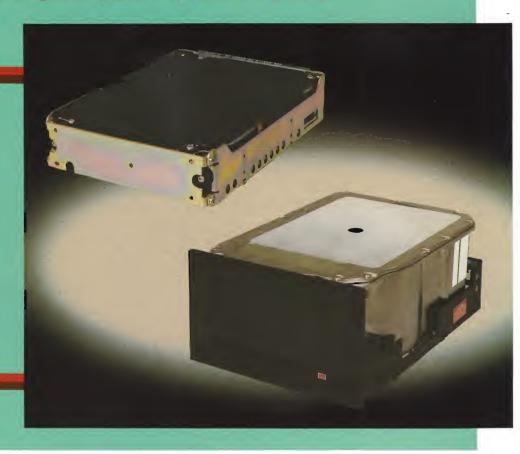
These units are manufactured and under warranty by Computer Support of Sioux City, Ltd., and other quality vendors. Products are sold as being functionally equivalent to the OEM units.

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INTERNAL STORAGE DEVICES





HARD DISK SUBSYSTEMS.

The INSID Series of storage subsystems provide an easy— economical approach to expanding capacity of the desk top series of computers. Every drive is tested on the computer system that is being upgraded in the field. The drives selected are of the highest available quality and are equal to or superior to the OEM drive in performance.

ALTOS* COMPATIBLE STORAGE SUBSYSTEMS.

Designed around a high quality hard disk drive, the subsystem features include:

- Capacities available —
 20, 40, 50, 80 & 190 megabytes.
- Models available for all *Altos computers.
- Drive is tested and formatted prior to shipping.
- One year "Instant Replacement" warranty (see warranty section).

WARRANTY TERMS

Should any drive fail during the twelve months from the date shipped, Computer Support will, upon determining that it was our drive that failed, ship a replacement unit via the fastest available shipment method. Customer is responsible for promptly (within three working days) shipping the defective unit back to Computer Support.

These units are under warranty by Computer Support of Sioux City, Ltd., and other quality vendors. Products are sold as being functionally equivalent to the OEM units.

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History of the Series

When originally introduced the 586 had six serial ports, 512K RAM memory, and a choice of 10, 20, 30 or 40 megabyte hard disks. Available options included a serial port expansion kit. (SPE-1 four additional ports) and an upgrade to 1 megabyte of memory. Since these two items were very popular, Altos elected to introduce a 986 model that incorporated them at the factory. There were no other differences between the 586 and the 986.

Additional options available for the series were an external hard disk (UK-40) and 17.7 megabyte tape drive (MTU-4). The controller for the tape drive was built-in the system, and cabling was a single large cable to an existing port on the back of the system.

Near the end of the product's life cycle, a 60 megabyte streaming tape drive was offered as an internal option (the infamous 'T' models). While backup was substantially faster with this system, there were many design problems that plague service technicians to this day. The system was offered with either a 40 or an 80 megabyte hard disk drive and in either a 586 version or a 986 version. The 586 could be upgraded to a 986 by adding the SPE-1 board and the 512K RAM board.

Hard Disk Drives

Computer Support offers either forty or eighty megabyte drives for either the original model or the 'T' model. The eighty megabyte on the original model requires some special installation 'tricks' but runs all software available on XENIX 3.0 or later. The drives are shipped pre-formatted and can be installed in about two hours. The model numbers are INSID-40 or INSID-80.

Hard disk drives can also be attached externally with the EX-SERIES. Available in a forty megabyte (EX-40TT) or an eighty megabyte (EX-80TT) is an external cabinet that includes all required cabling.

Tape Backup System

Computer Support offers the TAPE-586 for the original model and the TAPE-60 for the 'T' model. The TAPE-586 has the 17.7 megabyte capacity and is functionally identical to the MTU-4. The TAPE-60 is a replacement drive that is plug compatible with the original drive in the 'T' models.

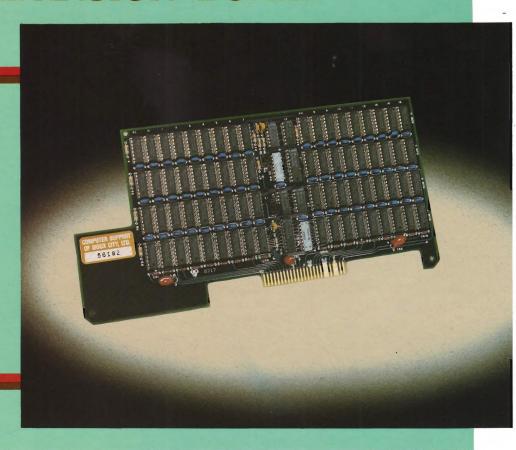
RAM Memory

The 586 (both 'T' and non 'T') can be expanded to one megabyte of memory by adding the MEM-586 memory board. The board is a simple installation as there is only one slot available, and the board won't fit backwards. There are no jumper settings or operating system changes to make.

^{*}Altos is a trademark of the Altos Computer Systems.

MEMORY EXPANSION BOARD

MEM-586



512K MEMORY EXPANSION BOARD.

The "all new" design of this memory board insures the highest reliability available for the 586 series computer. The expansion to the one megabyte limit can improve system response when user or processes are added.

- All new construction—not upgrades.
 One year "Instant Replacement" warranty (see warranty section).
- High speed memory chips.

WARRANTY TERMS

Should any memory board fail during the twelve months from the date shipped, Computer Support will, upon determining that it was our memory board that failed, ship a replacement unit via the fastest available shipment method. Customer is responsible for promptly (within three working days) shipping the defective unit back to Computer Support.

These units are manufactured and under warranty by Computer Support of Sioux City, Ltd., and other quality vendors. Products are sold as being functionally equivalent to the OEM units.

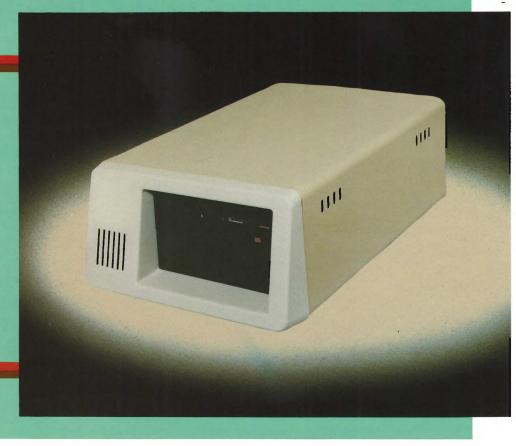
*Altos is a trademark of Altos Computer Systems.



EXTERNAL HARD DISK STORAGE

SUBSYSTEM

EX SERIES



ALTOS* COMPATIBLE STORAGE SUBSYSTEMS.

Designed around a high quality hard disk drive, the subsystem features include:

- Capacities available —
 40, 50, 80 & 190 megabytes.
- All required cables are included.
- High capacity power supply rated at 300 watts.
- Models available for all tabletop computer models. (586, 686, 886)*
- Drive is tested and formatted prior to shipping.
- One year "Instant Replacement" warranty (see warranty section).

WARRANTY TERMS

Should any subsystem fail during the twelve months from the date shipped, Computer Support will, upon determining that it was a part of our subsystem that failed, ship a replacement unit via the fastest available shipment method. Customer is responsible for promptly (within three working days) shipping the defective unit back to Computer Support.

These units are manufactured and under warranty by Computer Support of Sioux City, Ltd., and other quality vendors. Products are sold as being functionally equivalent to the OEM units.

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Hard Disk Drives

The 486 was sold with a slow 20 megabyte internal drive and a later option of adding an external unit that contained another 20 megabyte drive and a 60 megabyte tape system. Experience has taught us that this expansion was expensive and less reliable that we might like.

The least troublesome expansion is probably the replacement of the internal 20 with a 40 megabyte drive (INSID-40). This drive is a higher performance drive that has the added benefit of saving all available space in one contiguous data area.

The technical staff of Computer Support does not recommend the use of an external hard disk on the 486.

Tape Backup Systems

The 486 uses a special interface (SCSI) to attach a tape drive for backup purposes. The controller card is installed in an available slot inside the computer with a cable connecting to the external tape subsystem.

Two types of tape systems are suggested by Computer Support for the 486. The first is a cassette tape type that uses inexpensive media (under \$10) and is handy to store because of the small size. This model is the TAPE-486-C.

The second model is the TAPE-486, and it utilizes the popular DC600 type of cartridge. This model is handy if you desire compatibility with the other Altos 60 megabyte tape units.

Memory Expansion

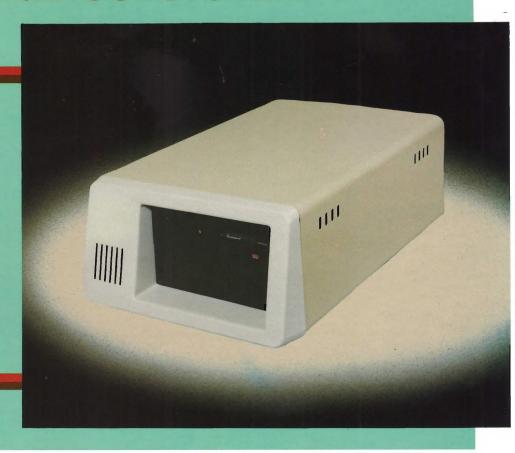
The original memory configuration of the 486 was 256K of RAM on the motherboard and two add in boards of 128K each for a total of 512K of RAM. As an option, one of the 128K boards could be replaced with a 512K board to bring the total to 896K maximum capacity.

Computer Support offers an upgraded board exchange program to expand the original 128K board to a 512K size. The needed number of this product is MEM 486. Note that this is a modified Altos product.

Notes				
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TAPE STORAGE SUBSYSTEM

TAPE-486



MAGNETIC TAPE SUBSYSTEM

The Tape — 486 provides an efficient method of "backing up" data from the 486 series computer. Back-ups can be file by file or an archive of the entire disk drive(s). System includes the controller board, cables, tape and 60 megabyte tape drive in an attractive external assembly.

60 megabyte capacity.

- All required cables and software are included.
- mechanisms.
- Available with cartridge or cassette tape
 One year "Instant Replacement" warranty (see warranty section).

WARRANTY TERMS

Should any subsystem fail during the twelve months from the date shipped, Computer Support will, upon determining that it was a part of our subsystem that failed, ship a replacement unit via the fastest available shipment method. Customer is responsible for promptly (within three working days) shipping the defective unit back to Computer Support.

These units are manufactured and under warranty by Computer Support of Sioux City, Ltd., and other quality vendors. Products are sold as being functionally equivalent to the OEM units.

*Altos is a trademark of Altos Computer Systems.

